

AMENDMENTS

Please amend the application as follows:

In the Claims:

Please substitute the following clean copy text for the pending claims of the same number.

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1. (Once Amended) A single logical screen (SLS) graphical display system, comprising:
an interface configured to receive graphical data defining an image;
a plurality of display devices; and
a plurality of graphical acceleration units, each of said plurality of graphical acceleration units respectively interfaced with one of said plurality of display devices and configured to render a portion of said graphical data to said one display device such that said display devices display said image as a single logical screen, wherein at least one of said graphical acceleration units comprises:

a first graphical pipeline configured to render graphical;
a second graphical pipeline configured to render graphical data; and
a compositor configured to interface with said one display said graphical data rendered by said first and second graphical pipelines.

7. (Once Amended) A single logical screen (SLS) graphical display system, comprising:

means for receiving a graphical command;

first rendering means for rendering a first portion of graphical data included within said graphical command, said first rendering means including a plurality of pipeline means for rendering said first graphical data portion in parallel and a compositing means for compositing said first rendered portion;

second rendering means for rendering a second portion of said graphical data, said second rendering means including a plurality of pipeline means for rendering said second graphical data portion in parallel and a compositing means for compositing said second rendered portion;

first display means for displaying a first image based on said first composited portion; and

second display means for displaying a second image based on said second composited portion,

wherein said first and second images define at least a portion of a single logical screen image.

8. (Once Amended) The system of claim 7, wherein each of said plurality of pipeline means of said first rendering means includes a means for mathematically combining a different offset to coordinate values included in said first graphical data portion, and wherein said compositing means of said first rendering means includes a means for blending color values associated with corresponding coordinate values within said first graphical data portion.

9. (Once Amended) The system of claim 7, wherein said first rendering means includes a means for receiving an input identifying a coordinate range, and wherein one of said plurality of pipeline means of said first rendering means includes a means for discarding graphical data from said first graphical data portion based on said coordinate range.

10. (Once Amended) The system of claim 9, wherein each of said plurality of pipeline means of said first rendering means is configured to super sample graphical data from said first graphical data portion, and wherein said compositing means of said first rendering means includes a means for blending color values included in said super sampled graphical data.

11. (Once Amended) A single logical screen (SLS) graphical display method, comprising:

- receiving graphical data defining an image;
- rendering different portions of said graphical data via different ones of a plurality of graphical acceleration units;
- in at least one of said graphical acceleration units, compositing the graphical data rendered by said at least one graphical acceleration unit; and
- displaying said image across a plurality of display devices as a single logical screen, said displayed image based on said composited graphical data,

wherein said rendering comprises rendering, in said at least one graphical acceleration unit, a respective one of said graphical data portions via each of a plurality of pipelines.

12. (Once Amended) The method of claim 11, wherein said rendering further comprises mathematically combining different offsets with coordinate values included in one of said graphical data portions, and wherein said compositing comprises blending color values associated with said coordinate values.

13. (Once Amended) The method of claim 11, further comprising:
receiving an input identifying a coordinate range; and
discarding, via one of said plurality of graphical pipelines, graphical data from one of said portions based on said coordinate range.

14. (Once Amended) The method of claim 13, wherein said rendering further comprises super-sampling graphical data from one of said portions, and wherein said compositing further comprises blending color values included in said super sampled graphical data.

[Add the following new claims:]

15. (New) The system of claim 1, wherein each of the portions of said graphical data rendered by said plurality of graphical acceleration units is included in a single graphical command.

16. (New) The system of claim 1, further comprising a graphics application, wherein each of the portions of said graphical data rendered by said plurality of graphical acceleration units is transmitted from said graphics application.

17. (New) The system of claim 2, wherein said first and second graphical pipelines, by respectively combining said first and second offsets with coordinate values in said graphical data rendered by said first and second graphical pipelines, offsets an image defined by said graphical data rendered by said first graphical pipeline with respect to an image defined by said graphical data rendered by said second graphical pipeline such that said compositor defines a jitter enhanced image by blending said color values.

18. (New) The method of claim 11, wherein each of said different portions of said graphical data is included in a single graphical command.

19. (New) The method of claim 11, further comprising transmitting each of said portions of said graphical data from a single graphics application.

20. (New) The method of claim 12, wherein said combining causes said compositing to jitter enhance an image defined by said graphical data.

21. A single logical screen (SLS) graphical display system, comprising:
an interface configured to receive a graphical command;
a plurality of display devices; and
a plurality of graphical acceleration units, each of said graphical acceleration units respectively interfaced with a respective one of said plurality of display devices and configured to render, in parallel, a different portion of graphical data included in said graphical command, each of said graphical acceleration units comprising a compositor configured to composite said graphical data portion rendered by said each graphical acceleration unit.

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22. (New) The system of claim 21, wherein one of said graphical acceleration units comprises a plurality of graphical pipelines, each of said graphical pipelines configured to mathematically combine a different offset to corresponding coordinate values of the graphical data portion rendered by said one graphical acceleration unit such that the compositor of said one graphical acceleration unit jitter enhances an image defined by said graphical data portion rendered by said one graphical acceleration unit.

23. (New) The system of claim 21, wherein one of said graphical acceleration units comprises a plurality of graphical pipelines, each of said graphical pipelines configured to render only a portion of the graphical data portion rendered by said one graphical acceleration unit.

24. (New) The system of claim 21, wherein one of said graphical acceleration units comprises a plurality of graphical pipelines, each of said graphical pipelines configured to render and super sample only a portion of the graphical data portion rendered by said one graphical acceleration unit.

25. (New) A single logical screen (SLS) graphical display method, comprising:
receiving a graphical command;
displaying at least a portion of a single logical screen image via a plurality of display devices; and
for each of said display devices, rendering in parallel a different portion of graphical data included in said graphical command and compositing said rendered portion.

REMARKS

This is a full and timely response to the non-final Office Action of February 12, 2003. Reexamination, reconsideration, and allowance of the application and all presently pending claims are respectfully requested.

Upon entry of this First Response, claims 1-25 are pending in this application. Claims 1 and 8-14 are directly amended herein, and claims 15-25 are newly added. It is believed that the foregoing amendments add no new matter to the present application.